Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 1st & Final Bill — Date.....2019

Name: BBMP, Yelahanka — Division: **Project Division,** — Sub-Division: **Project Division**

Bill Received No. — Dated — Divisional / Sub-Divisional — Cash Book Voucher No.....Dated.....

Job Code: 007-18-000090

Schedule Docket No. — Head of Account: P3293 — Est.Cost: Rs.40.00 Lakhs — D.R.NO.:

Name of Work : Providing RO plants in ward No.07 Byatarayanapura

Name of Contractor and Full Address: **Executive Engineer , K.R.I.D.L, #280, 59th Cross Road, 17th 'C' Main Road, 3rd "Y" Block, Rajajinagar, Bangalore-10**

Reference to Agreement No. EE(Project)/Ynk Zone/WO/53/2018-19 — Date: 18.01.2019

Certified that the measurements were taken by me on: 11.04.19.2019 and recorded of Pages **135420** to **135442** of measurement Book No. **25/2017-18** and that work is satisfactorily executed.

Contractor — Officer-in-charge of work

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Certified that the measurements were taken by me on 12/4/19 /2019 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Assistant Executive Engineer
Project Division
Velahanka Zone
Bangalore

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being.....Percent Rs.....		
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher .....Dated.....S.D.No.....		
Adjusted towards cash advance recovery of		
b) Payments cost store or other material supplied.		
Now made recovery of amount creditable to this /other work		
Amount paid on this bill Cheque/Cash.		
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No..... dated .....less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within		
9) Value of Government materials supplied.		
Total		3873852-00
Amount		
2% IT -		77477-00
1% CESS -		38738-00
0.1% CBF.		3874-00
LR -		13561-00
5% FSD -		193693-00
CGST -		34588-00
SGST -		34588-00
Total amount adjusted		396520-00
Contractor's Signature		Cheque Rs. 3477332-00

Received Rs.....(in words).....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

(For use in the Office)

Witness
1 Assistant Executive Engineer
2 Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....

Cash Rs.....Audited & Admitted for Rs.....

Dated..... Rs: 3873852-00

Initials of Officer making payment

Executive Engineer

Rs: 3477332-00 by Cheque

and Rs.. 396520-00 by Adjustment

Accts. Supdt.
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe required an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.47, I. 9.4) PRED.SR 2012-13**	Each BW
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) **P. 46 / It. 9.1 PRED SR 2012-13 0 to 50 M**	RMtr
3	50 to 100 m	RMtr
4	100 to 150 m	RMtr
5	150 to 200 m	RMtr
6	200 to 250 m	RMtr
7	250 to 300 m	RMtr
8	300 to 350 m	RMtr
9	Providing 200mm dia PVC Pipe10kg/cm2 **SE PRED PAGE NO 15 IT 3.4.3 G**	RMtr
10	Providing and supllying 175mm dia M.S.Cap (as per PREC SR 2012-13) etc., complete as per specifications and direction of the Engineer--in-charge **(Piii, It 85)**	Nos
11	Providing and fixing in galvanised mild steel tubes (Heavy class as per IS 1239 Part-1990) 50mm dia nominal bore with all fittings including cost of all materials labour charges HOM of euipment and testing complete as per specification **(PWD SR 2015-16 P NO.87, It No.13.6)**	Mtr
12	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-c(1) 2.5 Sqm mm of 36 strands 0.3mm dia Group - A **KPWD Electrical SR 2014-15**	Nos
13	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09	Nos
14	Supply heavy duty galvanized mild steel color suitable for 50mm dia nominal bore galvanized mild steel	Nos

Previous Measurement		Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Qty	Rate Rs. P.	Amount	Qty	Cost
-	-	3.00	1938.46	5815.38	3.00	5815.38
-	-	150.00	315.18	47277.00	150.00	47277.00
-	-	150.00	412.00	61800.00	150.00	61800.00
-	-	150.00	458.35	68752.50	150.00	68752.50
-	-	150.00	484.10	72615.00	150.00	72615.00
-	-	150.00	560.32	84048.00	150.00	84048.00
-	-	150.00	600.49	90073.50	150.00	90073.50
		150.00	622.00	93300.00	150.00	93300.00
-	-	78.00	1144.00	89232.00	78.00	89232.00
-	-	3.00	100.00	300.00	3.00	300.00
-	-	810.00	457.92	370915.20	810.00	370915.20
-	-	1833.00	188.70	345887.10	1833.00	345887.10
-	-	3.00	3000.00	9000.00	3.00	9000.00
-	-	150.00	130.00	19500.00	150.00	19500.00

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15	Supply of non return valve suitable for 50mm dia nominal bore galvanized mild steel tube **(P No 95, It No.13.55)**	Nos
16	Supplying of on load charges over switches 4 poles 415V, 5hr ac supply 100-125 amps group A **(BWSSB SR Rate P No 3481, It Group A)**	Nos
17	Supply and fully automatic star delta uint push button type with suitable wires, 3 conatactor one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired after to the existing wooden board for motor 12.5 HP (BWSSB SR P No. 335. It No.10(A)PRED SR 2012-13	Nos
18	Erection of single phase preventor ammeters/including fixing selctor switch/current operated earth leakage circuit breakers voltage operated circuit breaker above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including transportation charges from stores to spot **(P-28. It No.16)**	Nos
19	Fabricating, supplying and mounting 1200x900x350 mm MS box of 18 SWG suitable for floor /wall mounting, fully weather proof with double stanted top as per drawing with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with approved colour enamelled metal paint etc., complete box of 36200 sqcm @ Rs.0.20 18 SWG **(BWSSB SR P-352, It No 41)**	Nos
20	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials and wiring complete as requireds32 to 63 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications **(BWSSB SR P-352, It No 15)**	Nos
21	Supplying and running of GI copper strips or grounding connections using necessary fixing materials required 600x600x3mm GI plate **(P-378, It 9(E)**	Nos
22	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... **P No. 32/I No 3d KPWD Electrical SR 2010-11**	Nos
23	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 **P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15**	Sqm
24	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter -cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. **PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30 HP Star Delta Starter**	Nos
25	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.**P No. 68/ I No. 4(d) 4 core 16 Sqmm KPWD Electrical SR 2010-11**	RMtr
26	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, **P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm) KPWD Electrical SR 2010-11**	RMtr
27	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB 1-2 P-7) **P No. 70/ I. No. 6-c KPWD Electrical SR 2010-11**	RMtr

-	-	3.00	1409.80	4229.40	3.00	4229.40
-	-	3.00	9845.00	29535.00	3.00	29535.00
-	-	3.00	5665.00	16995.00	3.00	16995.00
-	-	3.00	1500.00	4500.00	3.00	4500.00
-	-	3.00	7866.00	23598.00	3.00	23598.00
-	-	3.00	2090.00	6270.00	3.00	6270.00
-	-	3.00	1072.00	3216.00	3.00	3216.00
-	-	18.00	201.40	3625.20	18.00	3625.20
-	-	70200.00	0.33	23166.00	70200.00	23166.00
-	-	3.00	10000.00	30000.00	3.00	30000.00
-	-	75.00	140.40	10530.00	75.00	10530.00
-	-	75.00	10.80	810.00	75.00	810.00
-	-	75.00	117.00	8775.00	75.00	8775.00

1423765

15	Supply of non return valve suitable f...	
28	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class **P. No. 70/ I No.9-A KPWD Electrical SR 2010-11**	RMtr
29	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 70/ I No. 10-b KPWD Electrical SR 2010-11**	Nos
30	Bescom deposits and other service charges	Nos
	Sub Total A	
31	Supplying and delivery of sub mersible pumpset suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfied in BIS with ISI mark with a minimum efficeiency of 42% pump shall confirm to IS 8034/2002 and motor confirming to IS 9283/1995 with ISI certification with latest amendemnets for the following, Page No. XXXXII. SR18-19 **17.5 HP 13kw 40 stage sub mersible pumpset**	Nos
32	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **(P.81/I.13.37)SR18-19**	Nos
33	Supply of ISI mark **175** mm nominal bore, plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10 Kg/mtr.(Inclusive of all taxes and durties). Prices include collar-medium duty.**(Piii, It, 84)SR18-19**	RMtr
	Sub Total B	
	Add 12% GST	
	Total B	
34	Cutting the road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading danger lighting etc in following classifications Cutting in Cement concrete road surface (Page 269 Item 37.40) SR18-19	CMtr
35	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with lead upto 50m. and lift upto 1.5m complete as per specifications.Specification No.KBS 2.10.2(Page No7., Item No. 2.13)SR18-19	CMtr
36	KSRB 4 - 1.6 : Providing and laying in position plain cement concrete of mix M 15 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.6)SR18-19	CMtr
37	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) 20mm dia.SR18-19	Sqm
38	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)SR18-19	CMtr

-	-	12.00	345.00	4140.00	12.00	4140.00
-	-	3.00	280.00	840.00	3.00	840.00
-	-	-	-	42900.00	-	42900.00
-	-	-	-	1571645.28	-	1571645.28
-	-	3.00	78036.00	14,28,745- 234108.00	3.00	1428745- 234108.00
-	-	3.00	1843.34	5530.02	3.00	5530.02
-	-	135.00	1364.75	184241.25	135.00	184241.25
				423879.27		423879.27
				50865.51		50865.51
				474744.78		474744.78
-	-	94.50	727.16	68716.62	94.50	68716.62
-	-	42.00	2183.60	91711.20	42.00	91711.20
-	-	31.50	5747.32	181040.58	31.50	181040.58
-	-	700.00	166.42	116494.00	700.00	116494.00
-	-	299.15	137.80	41222.87	299.15	41222.87

14,28,745-
'A'

'B'

499186-

39	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using **40mm** and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.12, It.4.3)SR18-19	CMtr
40	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 (Page NO. 14, Item NO. 4.11)SR18-19	CMtr
41	Providing **TMT Steel Reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.18, Item No.4.46.2)**SR18-19**	Tonne
42	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular slabs /side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)**SR18-19**	Sqm
43	Supplying and delivery of sub mersible pumpset suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfied in BIS with ISI mark with a minimum efficeiency of 42% pump shall confirm to IS 8034/2002 and motor confirming to IS 9283/1995 with ISI certification with latest amendemnets for the following, Page No. XLI **SR18-19**	Nos
44	Supplying and fixing MS rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC 1:2:4 with 2 No. of 16mm dia MS hold fast rods each of length 25 cm, including ocst of all materials, cutting, bending, scaffolding wherever necessary, nicely finishing the welded joints with all leads and lifts and as per the directions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P. 262, I. 37.2)**SR18-19**	Mtr
45	Providing and fixing MS block pipe of 38 mm dia of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (MS rectangular poles) and spot welding the chain link with MS block pipe including cost of all materials, wastage in cutting and scaffolding whereever necesssary with all lead and lift as directed by the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop paint (PWDSR 2015-16, P. 266, I. 37.7)SR18-19	Nos
46	Providing chainlink fencking 50mm size of 8 guage properly stretched between existing rectangular poles andfixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts as per the direcdtions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop paint (PWDSR 2017-18, P. 266, I. 37.3)	Sqm

-	-	46.91	5408.12	253708.43	46.91	253708.43
-	-	16.34	5998.54	98016.14	16.34	98016.14
-	-	0.94	75223.96	70710.52	0.94	70710.52
-	-	114.48	483.36	55335.05	114.48	55335.05
-	-	3.00	26628.00	79884.00	3.00	79884.00
-	-	144.00	910.54	131117.76	144.00	131117.76
-	-	420.00	432.48	181641.60	420.00	181641.60
-	-	252.00	757.90	190990.80	252.00	190990.80

15,60,591

47	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)	Cum
	Sub Total C	
	Add 12% GST Charges	
	Total C	
	Grand Total	

CRTIFICATE:

1. Certified that the above work done satisfactory and no materials issued from Department

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

-	-	393.60	94.34	37132.22	393.60	37132.22
				1597721.80		1597721.80
				191726.62		191726.62
				1789448.42		1789448.42
				3835838.48	3792938	3835838.48

4% KRDL charges :- 153433.50 15,1718-00

Total :-

Bescom Charges 39,89271.60 42900-00

G. Total Rs. ~~39,87,556~~-00

G.Total: 3873,852-00

Arriving GST :

Part 'A' Net Amount : 14,28,745 = 00

Part 'B' Net Amount : 4,23,879 = 00

Part 'C' Net Amount : 15,97,722 = 00

34,50,346 Total value Befor tax

Add: 4% charges 1,38,014

BESCOM charges 42,900

12% GST ON B&C 2,42,592

(423879+1597722)

38,73,852